



Faculty Positions:

Senior Position: Evolutionary Microbial Pathogenesis

Department of Microbiology & Molecular Genetics
Michigan State University

The Department of Microbiology & Molecular Genetics at Michigan State University seeks candidates for an academic-year position at the Associate or Full Professor level in microbial pathogenesis. Applicants are sought with demonstrated expertise in molecular mechanisms of the evolution of pathogenicity, bacterial pathogenesis, microbial ecology of infectious diseases, genetics of virulence, or host-microbe interactions. Many opportunities exist for collaboration with other faculty with research interests in these areas in the Center for Microbial Pathogenesis, Center for Microbial Ecology, National Food Safety and Toxicology Center, and the Center for Water Sciences. The person who fills this position will be expected to build and lead collaborative groups and to mentor junior faculty. A strong record of research accomplishment and an independent, externally funded research program with national visibility are required. Teaching within our graduate, professional, and/or undergraduate programs is expected. The offer will include a competitive startup package and laboratory facility. Applicants should submit a letter of application, curriculum vitae, history of research funding, statement of current and future research plans, and contact information (address, e-mail and phone) for three referees to:

Microbial Pathogenesis Search Committee Chair
Dept of Microbiology & Molecular Genetics
2209 Biomedical & Physical Sciences Building
Michigan State University, East Lansing, MI 48824.

Preferably, applications should be submitted electronically to mmgchair@msu.edu. We will begin review of applications on October 15, 2009 and applications will be accepted until the position is filled.

Michigan State University is an Equal Opportunity Employer. Women and minority candidates are encouraged to apply.

Post Doctoral Positions:

MSU is an affirmative-action, equal-opportunity employer. MSU is committed to achieving excellence through cultural diversity. The university actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities.

Postdoctoral position in molecular immunology.

DUTIES: We seek a self-motivated individual with experience in molecular biology and immunology to study immunoglobulin gene diversification-associated DNA recombination and DNA repair.

QUALIFICATIONS: Newly acquired doctorate or other terminal degree is required. Previous relevant publication is a big plus. This position is available immediately.

SALARY STATEMENT: Salary commensurate with qualifications.

APPLICATIONS:

Please submit vitae, list of publications and names of referees to:

Dr. Kefei Yu

Department of Microbiology and Molecular Genetics, 5175 Biomedical Physical Sciences, East Lansing, MI 48824; (yuke@msu.edu)

Postdoctoral research position in molecular and developmental genetics.

DUTIES: We seek an individual with wide-ranging skills in molecular genetics to identify transcriptional targets for a novel transcription factor involved in skin, limb and craniofacial development using a combination of molecular and genomic approaches in a murine model.

QUALIFICATIONS: Doctorate or other terminal degree. Qualifications other than degree: The applicant should have experience with murine models, isolating and quantifying RNA from small tissue samples and general molecular and developmental methodologies. Prefer experience with microarray, ChIP and bioinformatic analyses. Effective oral and written communication skills. The position also involves supervision of undergraduate and graduate students. The position is available Fall 2008 and will be funded for at least 2 years with possible extension.

SALARY STATEMENT: Salary commensurate with qualifications.

APPLICATIONS: Submit vitae with an appended, detailed section on skills/experiences, relevant reprints, and contact information for three references to:

Dr. Brian Schutte

Department of Microbiology and Molecular Genetics, 5162 Biomedical Physical Science Building, Telephone: 517-884-5346; Fax: 517-353-8957; (schutteb@msu.edu)

Microbial molecular genetics/microbial community ecology.

DUTIES: Postdoctoral research position in microbial molecular genetics/microbial community ecology. We seek an individual with wide-ranging skills in molecular biology to conduct investigations of microbial community structure and function in heterotrophic larval mosquito habitats, and genetically manipulation of bacteria to express mosquitocidal toxin genes.

QUALIFICATIONS: Doctorate or other terminal degree. Qualifications other than degree: The applicant should have experience with transformation, expression, sequence analysis, and general microbiological and molecular methodologies. The position also involves supervision of undergraduate and graduate students. The position is available Fall 2008 and will be funded for at least 2 years with possible extension.

SALARY STATEMENT: Salary commensurate with qualifications.

APPLICATIONS: Submit vitae with an appended, detailed section on skills/experiences, relevant reprints, and contact information for three references to:

Dr. Edward Walker

Department of Microbiology and Molecular Genetics, 6169 Biomedical Physical Science Building, Telephone: 517-884-5389; Fax: 517-353-8957 (walker@msu.edu)

Structure of microbial communities.

Opportunities are available for 2 post doctoral researchers to bring their skills to the exploration of relationships between the structure of microbial communities and the ecosystem level services they provide. Research will be focused on the stunning evolutionary diversity and metabolic versatility of microbial communities in soil, complemented by extensive datasets that include process level measurements and environmental characterization of the Kellogg Biological Station Long Term Ecological research site (<http://lter.kbs.msu.edu>) and other sites in the LTER network (<http://www.lternet.edu>). Experience with modeling, ecological theory or contemporary microbiological approaches is particularly desirable. Please send a curriculum vitae, brief statement of research interests and names of three references to: Tom Schmidt, Dept. Microbiology, Michigan State University, East Lansing, MI 48824 (tschmidt@msu.edu). Salary range \$36,000 – \$41,000.

Managing editor of the new open access eJournal of the Genomic Standards Consortium

A postdoctoral position is available immediately, renewable for up to three years, for an individual with experience in genome biology to serve as the managing editor of the new open access eJournal of the Genomic Standards Consortium, headquartered in the Department of Microbiology and Molecular Genetics at Michigan State University. The successful candidate will work as part of an international standards setting body to assist in the rapid publication of standards compliant descriptions of sequenced genomes, standard operating procedures, and other forms of high value content that are in demand by the community. Excellent oral and written communication skills required. Prior editorial experience and familiarity with XML publishing is desirable. More details about the eJournal project can be found in dx.doi.org/10.1089/omi.2008.A2B2 and about the Genomics Standards Consortium at <http://gensc.org>. Please send a curriculum vitae, brief statement of relevant work

experience and names of three references to: George M. Garrity, Microbiology & Molecular Genetics, Michigan State University, East Lansing, MI 48824 (garrity@msu.edu). Salary range \$36,000-41,000.